## ABSTRACT

X-ray camera of the present invention comprises an X-ray irradiation unit, an X-ray image sensor, a controller having a correction factor setting unit, a correction factor storage unit and a correctional operation unit, and a display unit. The X-ray image sensor in the above configuration comprises a sensor such as CCD, TFT, and the like having a scintillator on a surface thereof, and a substrate having the sensor mounted thereon. The correction factor setting unit obtains a value La/Ln by dividing a predetermined brightness reference value La set beforehand by a brightness value Ln of an arbitrary pixel "n", and sets the obtained value as a correction factor for each pixel. The correction factor storage unit stores the correction factor set by the correction factor setting unit. The correctional operation unit obtains the correction factor from the correction factor storage unit, and performs a corrective operation.